Air Screen Seed Grader
MODEL - SUPER - III

Fatures
• Robust machine of all steel construction
• Dynamically balanced aspirator fan
• Low level feed hopper equipped with the feed roller and feed control gate
• Specially designed Nylon Brushes to check sieve perforation clogging of bottom screen
• Stepless variable air controls
• Air chamber, sieve deck assembly and spouts are self cleaning type
• Belt guard provided
• Easily changeable sieves with large surface screening area
• Sieve reciprocation provided by means of eccentric and connecting rods

Working
Material is fed into a low level feed hopper where it is sucked up by aspirator fan and drop on the top sieve. Before falling on top screen material is subjected to primary aspiration which drains off chaff, straw, dust, & other lighter impurities. Material is then passed through three sieve layers for separation according to width and thickness. Cleaned/graded material again passes through air lifter and aspirator where remaining light particles are sucked off by a strong upward draught of air. Final product and impurities are collected separately through discharged chutes.

Optional Sub-assemblies & Parts
Dust Collector, Air Trunk

Note: This grader does not need a feeding elevator as the feeding hopper is at low level and feeding of material is through pneumatic, suction.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (based on wheat) TPH</th>
<th>No of Screens</th>
<th>Size of each Screen in mm (WxL)</th>
<th>Screen Perforation</th>
<th>Cleaning Device</th>
<th>Screen Indication</th>
<th>No of Aspirations</th>
<th>Fan Capacity</th>
<th>Fan Speed</th>
<th>Electric Motor for Blower</th>
<th>Q.A. Size in cms (LxWxH)</th>
<th>No of Scalping</th>
<th>No of Grading</th>
<th>Total Screen Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Super-III</td>
<td>1-1.2 TPH (based on wheat) &amp; 6-10 bags/hr of coriander (Dhania)</td>
<td>3</td>
<td>Top - 89 x 100 Middle &amp; Bottom - 89 x 180</td>
<td>Top - Beaters Middle &amp; Bottom - Nylon Brush</td>
<td>Fixed</td>
<td>2</td>
<td>7500 CMH at 75 mm WGSP</td>
<td>900 RPM</td>
<td>5 HP</td>
<td>3 Phase 440V</td>
<td>356x175x285</td>
<td>1</td>
<td>2</td>
<td>4.1 sq m</td>
</tr>
</tbody>
</table>

Note: Capacities may vary depending on seed condition, moisture content, seed varieties, type & volumes of contaminants to be separated & the percentage of foreign material acceptable in the final product. Capacity also vary depending on product flow through the cleaner.

*Capacity based on wheat

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ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007
SA 8000:2014